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Perfect score:
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Database :
                                                                                                                                                                                                                                                                                                                                                                                       Result
No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          - protein search, using
                                                                                                                                                                                                                                                                                                                                                                                          Score
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Match
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1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*
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Copyright (c) 1993 - 2000 Compugen Ltd
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  US-08-627-173-4
US-08-627-173-26
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US-08-625-882A-26
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US-09-105-98-9-21
US-09-118-922-25
US-09-138-922-25
US-09-138-922-25
US-09-138-922-25
US-08-170-0958-2
US-08-184-237-10
US-08-240-712-19
US-08-240-712-21
US-08-240-712-22
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US-08-443-890-24
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                                       Sequence 19, Appl
Sequence 20, Appl
Sequence 21, Appl
Sequence 22, Appl
Sequence 23, Appl
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| RESULT 1<br>US-08-627-173-4<br>Sequence 4, Applicati<br>Sequence 10, 5861483<br>Patent NO. 5861483<br>GENERAL INFORMATION: |                 | 29<br>31<br>32<br>33<br>34<br>33<br>35<br>44<br>44<br>44<br>44<br>44<br>44<br>44<br>44   |
|--|-----------------|--|
|  |                 | 58 100<br>58 100   |
| -4 Application US/08627173 5861483 IFORMATION:   |                 | 100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0<br>100.0   |
| on US/086  | 0,0,0,0,0,0,0,0 | 146 2<br>146 2<br>146 2<br>146 2<br>146 2<br>146 2<br>146 2<br>146 2<br>146 2<br>146 3<br>146 3<br>146 3<br>146 3  |
| 627173   | ALIGNMENTS      | US-08-484-686B-56 US-08-484-686B-57 US-08-484-686B-70 US-08-484-686B-70 US-08-627-173-2 US-08-619-708A-5 US-08-316-424A-6 |
| ta -   | ÷               | Sequence (7, Appl<br>Sequence (67, Appl<br>Sequence (7, Appl<br>Sequence 7, Appl<br>Sequence 4, Appl<br>Sequence 18, Appl<br>Sequence 17, Appl<br>Sequence 17, Appl<br>Sequence 17, Appl<br>Sequence 18, Appl<br>Sequence 2, Appl<br>Sequence 3, Appl<br>Sequence 3, Appl<br>Sequence 2, Appl<br>Sequence 3, Appl<br>Sequence 3, Appl<br>Sequence 10, Appl<br>Sequence 10, Appl<br>Sequence 10, Appl<br>Sequence 10, Appl  |

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STRANDEDNESS:
TOPOLOGY: line
MOLECULE TYPE: F
US-08-627-173-4
                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATION SYSTEM: US/D8/627,173
APPLICATION DATA:
OS-DETECTION DATA:
PRIOR APPLICATION NUMBER: US 08/535,882
                                                                                                                                                             TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                      PILING DATE: 28-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 1331
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: TSYRLOVA, IRENA
APPLICANT: WOLPE, STEPHEN D.
APPLICANT: WOLPE, STEPHEN D.
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: VIPOTTO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
ZIP: 22201-4714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    VIRGINIA
Y: U.S.A.
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1100 NORTH GLEBE ROAD
                                                                                                                              linear
                                                                                                        peptide
      100.0%;
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          Score 58; DB 2; pred. No. 1.0002;
                              Length 10;
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Matches

Conservative

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Mismatchas

Indels

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RESULT 3
US-08-535-882A-4
                                                                                                                                 Sequence 4, Application US/08535882A
Patent No. 5939391
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Best Local S
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                                                                                                                     GENERAL INFORMATION:
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Sequence 26, Appitus

No. 5861483
                          TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
                                                                                   APPLICANT: TSYRLOVA, IRENA APPLICANT: WOLPE, STEPHEN D.
                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
TOPOLOGY: lin
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (703) 816-410 NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 08/535,882
FILING DATE: 28-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 137
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                    1 LVVYPWTQRF 10
                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 10 amino
TYPE: amino acid
                                                                                                                                                                                                                                               1 LVVYPWTORF 10
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: TSYRLO APPLICANT: WOLPE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/08/627,173 FILING DATE: 03-APR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
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                                                                                                                                                                                                                                                                        l Similarity 100,
10; Conservative
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22201-4714
): NIXON & VANDERHYE P.C.
1100 NORTH GLEBE ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                    10 amino acids
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WOLPE, STEPHEN D.
VENTION: INHIBITOR OF STEM CELL PROLIFERATION AND
VENTION: USES THEREOF
                                                                                                                                                                                                                                                                                                                                                             peptide
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TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:

1331-177

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Sequence 26, Application US/08535882A Patent No. 5939391
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Best Local Similarity 100.
Matches 10; Conservative
REFERENCE/DOCKET NUMBER: 13
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                  CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,7
                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: INHIBITOR OF STEM CELL PROLIFERATION AND TITLE OF INVENTION: USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: TSYRLOVA, IRENA APPLICANT: WOLPE, STEPHEN D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (703) E16-41
                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                       APPLICATION NUMBER: FILING DATE: 28-SEE
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COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY d:
                                                                                                                                                                                                                                                  ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
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LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: BYRNE, THOMAS E.
REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 13:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, V. CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/535,882A
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STRANDEDNESS:
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703) £16-4100
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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Pred. No. 0.0002;
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                                                                                                                                                            Version #1.30
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Best Local Similarity
"atches 10; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: 1i; MOLECULE TYPE: US-08-535-882A-26
                                                                                                                                    ; TOPOLOGY: linear; MOLECULE TYPE: peptide US-09-005-546-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-005-546-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                           TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: '
                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US 08/535,882 FILING DATE: 28-SEP-1995 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    uence 4, Application US/09005546
                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: TSYRLOVA, IRENA
APPLICANT: WOLDE, STEPHEN D.
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THEREOF
                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 32,205
REFERENCE/DOCKET NUMBER: 13.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nt No. 6090782
                                                                                                                                                                                 STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
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                            1 LVVYPWTQRF 10
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LVVYPWTQRF 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    INFORMATION:
                                                            10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T: 1100 NORTH GLEBE ROAD ARLINGTON
                                                                                                                                                                                               amino acid
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                                                        100.0%; ilarity 100.0%; Conservative
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                                                       Score 58; DB 3;
Pred. No. 0.0002;
); Mismatches 0;
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                                                                                     DB 3; Length 10;
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RESULT

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US-08-105-989-21
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Best Local Similarity
Matches 10; Conserv
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                                                                                                                                                                                                                  GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO:
                                                                                                TITLE OF INVENTION:
                                                                                                                             APPLICANT: Sharma, Ajay
APPLICANT: Paulhiac, Clara
APPLICANT: Khoury-Christianson,
APPLICANT: Midha, Sunita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION: NAME: BYRNE, THOMAS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: TSYRLOVA, IRENA APPLICANT: WOLPE, STEPHEN D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
TOPOLOGY: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: BYRNE, THOMAS E. REGISTRATION NUMBER: 32, REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 08
FILING DATE: 28-SEP-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U.S.A. ZIP: 22201-4714
                  CITY: New York
                                  STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: ARLINGTON
                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                   1 LVVYPWTQRF 10
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New York
                                                                                                                                                                                                                                                 Application US/08105989
                                E: PENNIE & EDMONDS
1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           E: NIXON & VANDERHYE P.C.
1100 NORTH GLEBE ROAD
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                                                                              Production of Human Hemoglobin
Transgenic Pigs.
26
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Pred. No. 0.0002;
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                                                                                                                                                Anastasia
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No. 592285/
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Best Local Similarity
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NAME: COTUZZI, LAURA 8.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6794-030
TELECOMMUNICATION INFORMATION:
TELEFAN: (212) 790-9090
TELEFAN: (212) 869-8864/9741
TELEX: 66141 PENNIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Kumar, Ramesh
                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTION DATA:
APPLICATION NUMBER: US/08/105,989
FILING DATE: 11-AUG-1993
                               ATTORNEY/AGENT INFORMATION:
NAME: COTUZI, LAUTA A.
REGISTRATION UNMBER: 30,742
REFERENCE/DOCKET NUMBER: 6794-030
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: Production of HUTITLE OF INVENTION: Transgenic Pigs. NUMBER OF SEQUENCES: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                               STREET: 1155 Ave
CITY: New York
STATE: New York
               TELEPHONE:
                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A.. ZIP: 10036-2711
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/105,989
FILING DATE: 11-AUG-1993
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                                                                                                                                                                                                                                                                                                                                                                      1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Khoury-Christianson, Anastasia P.
Midha, Sunita
(212) 869-8864/9741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sharma, Ajay
Paulhiac, Clara
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                 (212)
                   790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 58; DB 2; 100.0%; Pred. No. 0.0015;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Production of Human Hemoglobin in
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;; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-138-922-21
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 Matches
                 Best Local
                              Query Match
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Patent No. 6
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Best Local Similarity
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                                                                                                                                                                    INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                               REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 67
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/105,989
FILING DATE: 11-AUG-1993
ATTORNEY/AGENT INFORMATION:
NAME: COruzzi, Laura A.
                                                                                                                                                                                                                                                                                                                                                                                                      OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sharma, Ajay
APPLICANT: Paulhiac, Clara
APPLICANT: Khoury-Christianson, Anastas
APPLICANT: Midha, Sunita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS: LENGTH: 74 amino acids
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                                                                                                                                                                      TELEFAX: (214)
TELEFAX: (214)
TELEFAX: 66141 PENNIE
TELEFAX: 0501 ID N
                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/09/138,922 FILING DATE: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: New York
STATE: New York
                                                                                                                                                                                                                 TELEPHONE:
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               Similarity
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6147202
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(212) 86
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1155 Avenue of the Americas
 Conservative
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              100.0%;
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            Score 58; DB 3;
Pred. No. 0.0015;
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 Mismatches
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                           Length 74;
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Indels
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; TOPOLOGY: linear; MOLECULE TYPE: peptide US-08-240-712-19
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Best Local Similarity 100.
""" hes 10; Conservative
                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/08/240,712
FILING DATE: 09-MAY-1994
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/08240712 Patent No. 5599907 GENERAL INFORMATION:
APPLICATION NUMBER: PCT/US92/09752
FILING DATE: 13-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, IVER p
REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: ANDERSON-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 19:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: 13-MAY-1993
ATTORNEY/AGENT INFORMATION:
NAME: COOPER, IVER P
REGISTRATION NUMBER: 28,005
REFERENCE/DOCKET NUMBER: ANDERSON-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: ANDERSON, DAVID C.
APPLICANT: MATHEWS, ANTONY JAMES
APPLICANT: STETLER, GARY L.
TITLE OF INVENTION: PRODUCTION ANDITION OF INVENTION: HEMOGLOBINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION: TELEPHONE: 202-628-5197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
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TELEFAX: 248633
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STREET: 4
                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: 202-737-3528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 09-MAY-1994 CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32 LVVYPWTQRF 41
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 LVVYPWTQRF 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12-20
                                                                                                                                                                                                                                                                                                                                                                                                                         E: Browdy and Neimark
419 Seventh Street, N.W.,
                                                                                                                                                                                                                                                                                                                                                                     USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRODUCTION AND USE OF MULTIMERIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Release #1.0, Version #1.25
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                                         ANDERSON=6
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                                                                                                                                                                                                                                                                                                                                                                                                                             Suite 300
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; MOLECULE TYPE: US-08-240-712-20
                      INFORMATION FOR SEQ ID NO: 20
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                              TELEFAX:
                                                                                                                                202-737-3528
             peptide
                                                                                                    20:
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δÃ Query Match Best Local Similarity Matches 10; Conserv 32 LVVYPWTQRF 41 1 LVVYPWTQRF 10 100.0%; ilarity 100.0%; Conservative 0 0 Score 58; DB 1; Length 146; Pred. No. 0.0031; Indels 0;

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Search ccmpleted: January 19, 2001, 09:52:59 Job time: 152 sec

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APPLICANT: Nagai, Kiyoshi TITLE OF INVENTION: Blood

Blood Substitutes

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US-08-184-237-10
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: unl
MOLECULE TYPE:
HYPOTHETICAL: 1
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NFORMATION FOR SEQ ID NO:
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CURRENT APPLICATION NUMBER: US/08/170,09
EILING DATE: December 20
CLASSIFFTAME.
            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 303-541-3322
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                                                                                                                                                                                             NUMBER OF SEQUENCES: 11
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ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
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STATE: C..
94111
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                                                                                                                                                                                                                                                                                                                                                           nt No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STATE:
                                                                                                                                      CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                       32 LVVYPWTQRF 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
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APPLICATION NUMBER:
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                                                                                                                                                      E: Limbach & Limbach 2001 Ferry Building
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Dawson, William 0.
Grantham, George L.
Turpen, Thomas H.
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                                                                                                                                                                                                                                Turpen, Ann Myers
Garger, Stephen J.
Grill, Laurence K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         unknown to applicant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Diskette, 3.50 inch, 1.4 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 58; DB 1; 100.0%; Pred. No. 0.0031;
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 US/08/184,237
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Satent No. 5599907
                                                                                                                                                                                                                                                GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 146 amino acid
                                                                                                                                                                                             APPLICANT: ANDERSON, DAVID C. APPLICANT: MATHEWS, ANTONY JA APPLICANT: STETLER, GARY L.
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                             NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-433-4150
                                                                                                                                                               TITLE OF INVENTION:
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APPLICATION NUMBER:
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PRIOR APPLICATION DATA:
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                                ZIP: 20004
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                                                                   STATE:
                                                                            CITY: Washington
                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                             32 LVVYPWTQRF 41
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
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                                                                                                                 ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         amino acid
                                                              D.C.
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                                                                                              EE: Browdy and Neimark
419 Seventh Street, N.W.,
                                                                                                                                                                                                                                                                               Application US/08240712
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                                                 USA
                                                                                                                                                                                               MATHEWS, ANTONY JAMES STETLER, GARY L.
                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 58; DB 1; ilarity 100.0%; Pred. No. 0.0031; Conservative 0; Mismatches C
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26-FEB-1988
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16-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-JUL-1988
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26-FEB-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-OCT-1990
                                                                                                                                                               HEMOGLOBINS
                                                                                                                                                                            PRODUCTION AND USE OF MULTIMERIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US 347,637
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                                                                                                Suite 300
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Floppy disk

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Query Match
Best Local Similarity
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                                                                                                                                            RESULT
                                                                                         Patent No. 5316931
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GENERAL INFORMATION:
                                                                                     GENERAL INFORMATION:
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                           APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08 FILING DATE: 11-AUG-1993 ATTORNEY/AGENT INFORMATION:
                                                       APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Production of Human Hemoglobin TITLE OF INVENTION: Transgenic Pigs.
                APPLICANT
                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear OLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: New York
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                                                                                                                                                                                                               LVVYPWTQRF 10
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No. 614720,
                                                                                                                                                                                                                                                                                                                                                       amino acid
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                       Donson, Jon
Dawson, William O.
Grantham, George L.
Turpen, Thomas H.
                                                                                                                                                                                                                                                                                                                                                                      74 amino acids
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Paulhiac, Clara
Khoury-Christianson, Anastasia
Midha, Sunita
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                                                                                                                                                                                                                                          100.0%;
llarity 100.0%;
Conservative 0
Turpen, Ann Myers
Garger, Stephen J
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                                                                                                                                                                                                                                          Score 58; DB 3; Pred. No. 0.0015; Mismatches 0
                                                                                                                                                                                                                                                                     Length 74;
                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                             0;
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; TOPOLOGY: 1:
; MOLECULE TYPE:
US-07-923-692C-10
                                      US-08-170-095B-2
                                                           RESULT
Sequence 2, Application US/08170095B Patent No. 5563254
                                                                                                                                                                                          Matches
                                                                                                                                                                                                           Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 219
FILING DATE: 15-UL-1988
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 160,766
FILING DATE: 26-FEB-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 16-JAN-1991
PRIOR APPLICATION DATA:
ORDER OF TAMPON NUMBER: US 310,881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-433-4150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: FILING DATE: 05-MAY-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 26-FEB-PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60
FILING DATE: 22-OCT-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                               32 LVVYPWTQRF 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: BIOG-20121 REFERENCE/DOCKET NUMBER: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Halluin, Albert P. REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 363,138 FILING DATE: 08-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 3 FILING DATE: 17-FEB-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/07/923,692C FILING DATE: 31-JUL-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
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                                                                                                                                                                                                                                                                                                                                                           LENGTH:
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                                                                                                                                                                                          1 Similarity
10; Conserv
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                                                                                                                                                                                                                                                                                                                                          amino acid
                                                                                                                                                                                                                                                                                                                                                           146 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                     415-433-8716
                                                                                                                                                                                          Conservative
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                                                                                                                                                                                                       100.0%; Score 58; DB 1; 100.0%; Pred. No. 0.0031
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                                                                                                                                                                                          0;
                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                              DB 1;
                                                                                                                                                                                                                             Length 146;
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APPLICANT:

Hoffman, Stephen J